

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/S30, 125
Source: Pct
Date Processed by STIC: 4-12-05

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 04/12/2005

PATENT APPLICATION: US/10/530,125

TIME: 08:52:33

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04122005\J530125.raw

4 <110> APPLICANT: SANWA KAGAKU KENKYUSHO CO.,LTD.
 6 <120> TITLE OF INVENTION: GLP-1 derivatives and the use
 8 <130> FILE REFERENCE: JP0304SKK
 C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/530,125
 C--> 10 <141> CURRENT FILING DATE: 2005-04-04
 10 <150> PRIOR APPLICATION NUMBER: JP 2002-299283
 11 <151> PRIOR FILING DATE: 2002-10-11
 13 <160> NUMBER OF SEQ ID NOS: 25
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 29
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Artificial
 22 <220> FEATURE:
 23 <223> OTHER INFORMATION: GLP1(7-35)
 25 <400> SEQUENCE: 1
 27 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 28 1 5 10 15
 31 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly
 32 20 25
 35 <210> SEQ ID NO: 2
 36 <211> LENGTH: 30
 37 <212> TYPE: PRT
 38 <213> ORGANISM: Artificial
 40 <220> FEATURE:
 41 <223> OTHER INFORMATION: GLP1(7-36)
 43 <400> SEQUENCE: 2
 45 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 46 1 5 10 15
 49 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
 50 20 25 30
 53 <210> SEQ ID NO: 3
 54 <211> LENGTH: 30
 55 <212> TYPE: PRT
 56 <213> ORGANISM: Artificial
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: 8S-GLP1
 61 <400> SEQUENCE: 3
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 64 1 5 10 15
 67 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg
 68 20 25 30
 71 <210> SEQ ID NO: 4

(pg. 6)

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73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: GLP1+1R
79 <400> SEQUENCE: 4
81 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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86          20          25          30
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90 <211> LENGTH: 32
91 <212> TYPE: PRT
92 <213> ORGANISM: Artificial
94 <220> FEATURE:
95 <223> OTHER INFORMATION: GLP1+2R
97 <400> SEQUENCE: 5
99 His Ala Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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104          20          25          30
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109 <212> TYPE: PRT
110 <213> ORGANISM: Artificial
112 <220> FEATURE:
113 <223> OTHER INFORMATION: 8S-GLP1+2R
115 <400> SEQUENCE: 6
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127 <212> TYPE: PRT
128 <213> ORGANISM: Artificial
130 <220> FEATURE:
131 <223> OTHER INFORMATION: 8S-GLP1+3R
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140          20          25          30
143 Arg
147 <210> SEQ ID NO: 8
148 <211> LENGTH: 34
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial
152 <220> FEATURE:

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Input Set : A:\pto.da.txt

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 162 20 25 30
 165 Arg Arg
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 170 <211> LENGTH: 35
 171 <212> TYPE: PRT
 172 <213> ORGANISM: Artificial
 174 <220> FEATURE:
 175 <223> OTHER INFORMATION: 8S-GLP1+5R
 177 <400> SEQUENCE: 9
 179 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 180 1 5 10 15
 183 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
 184 20 25 30
 187 Arg Arg Arg
 188 35
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 192 <211> LENGTH: 36
 193 <212> TYPE: PRT
 194 <213> ORGANISM: Artificial
 197 <220> FEATURE:
 198 <223> OTHER INFORMATION: 8S-GLP1+6R
 200 <400> SEQUENCE: 10
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 203 1 5 10 15
 206 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Arg Arg
 207 20 25 30
 210 Arg Arg Arg Arg
 211 35
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 216 <212> TYPE: PRT
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 220 <223> OTHER INFORMATION: 8S-GLP1-8R
 222 <400> SEQUENCE: 11
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 229 20 25 30
 232 Arg Arg Arg Arg Arg Arg
 233 35
 236 <210> SEQ ID NO: 12
 237 <211> LENGTH: 31
 238 <212> TYPE: PRT

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 250 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Arg
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 255 <211> LENGTH: 32
 256 <212> TYPE: PRT
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 262 <400> SEQUENCE: 13
 264 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 265 1 5 10 15
 268 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Arg
 269 20 25 30
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 273 <211> LENGTH: 33
 274 <212> TYPE: PRT
 275 <213> ORGANISM: Artificial
 277 <220> FEATURE:
 278 <223> OTHER INFORMATION: 8S-des36R-GLP1+3KR
 280 <400> SEQUENCE: 14
 282 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 283 1 5 10 15
 286 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
 287 20 25 30
 290 Arg
 294 <210> SEQ ID NO: 15
 295 <211> LENGTH: 35
 296 <212> TYPE: PRT
 297 <213> ORGANISM: Artificial
 299 <220> FEATURE:
 300 <223> OTHER INFORMATION: 8S-des36R-GLP1+5KR
 302 <400> SEQUENCE: 15
 304 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
 305 1 5 10 15
 308 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
 309 20 25 30
 312 Lys Lys Arg
 313 35
 316 <210> SEQ ID NO: 16
 317 <211> LENGTH: 37
 318 <212> TYPE: PRT
 319 <213> ORGANISM: Artificial
 321 <220> FEATURE:

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04122005\J530125.raw

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322 <223> OTHER INFORMATION: 8S-des36R-GLP1+7KR
324 <400> SEQUENCE: 16
326 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
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330 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
331          20          25          30
334 Lys Lys Lys Lys Arg
335          35
338 <210> SEQ ID NO: 17
339 <211> LENGTH: 40
340 <212> TYPE: PRT
341 <213> ORGANISM: Artificial
343 <220> FEATURE:
344 <223> OTHER INFORMATION: 8S-des36R-GLP1+10KR
346 <400> SEQUENCE: 17
348 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
349 1          5          10          15
352 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Lys Lys Lys
353          20          25          30
356 Lys Lys Lys Lys Lys Lys Lys Arg
357          35          40
360 <210> SEQ ID NO: 18
361 <211> LENGTH: 32
362 <212> TYPE: PRT
363 <213> ORGANISM: Artificial
365 <220> FEATURE:
366 <223> OTHER INFORMATION: 8S-GLP1+2K
368 <400> SEQUENCE: 18
370 His Ser Glu Gly Thr Phe Thr Ser Asp Val Ser Ser Tyr Leu Glu Gly
371 1          5          10          15
374 Gln Ala Ala Lys Glu Phe Ile Ala Trp Leu Val Lys Gly Arg Lys Lys
375          20          25          30
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380 <212> TYPE: PRT
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392 Gln Ala Ala Gln Glu Phe Ile Ala Trp Leu Val Asn Gly Arg
393          20          25          30
396 <210> SEQ ID NO: 20
397 <211> LENGTH: 30
398 <212> TYPE: PRT
399 <213> ORGANISM: Artificial
401 <220> FEATURE:
402 <223> OTHER INFORMATION: 26Q34N-GLP1

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/530,125

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:25; Xaa Pos. 34

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25

VERIFICATION SUMMARY

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Input Set : A:\pto.da.txt

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:527 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:32